

Title (en)
CORE-SHELL SILICA AND METHOD FOR PRODUCING SAME

Title (de)
KERN-SCHALE-SILICIUMDIOXID UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
SILICE À NOYAU-ENVELOPPE ET SON PROCÉDÉ DE FABRICATION

Publication
EP 2008971 A4 20100804 (EN)

Application
EP 07738887 A 20070316

Priority

- JP 2007055442 W 20070316
- JP 2006116595 A 20060420

Abstract (en)
[origin: EP2008971A1] To provide a core-shell silica having a high sphericity and a narrow particle distribution and a method for easily producing the core-shell silica. A method for producing a core-shell silica, which comprises a step of dispersing substantially non-porous silica core particles having a sphericity of at least 0.8 and a coefficient of variation of at most 0.2 in a dispersion medium containing an alcohol and water in the presence of a surfactant to prepare a dispersion; a step of adding a silica material to the dispersion and reacting the silica material under a condition of pH of from 8 to 13 to form a shell precursor containing silica and the surfactant on the surface of each silica core particle; and a step of removing the surfactant from the shell precursor to form a porous shell.

IPC 8 full level
C01B 33/18 (2006.01); **C09C 1/30** (2006.01); **G01N 30/88** (2006.01)

CPC (source: EP KR US)
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Citation (search report)

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